



Docket No.:
68144/P020US.B/10505125
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Palaniappan Meiyappan

Application No.: 10/534,200

Confirmation No.: 5266

Filed: November 7, 2002

Art Unit: N/A

For: METHOD AND APPARATUS FOR
ADAPTIVE CARRIER ALLOCATION AND
POWER CONTROL IN MULTI-CARRIER
COMMUNICATION SYSTEMS

Examiner: Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT (IDS)

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

A summary/abstract translation of the non-English language references is enclosed.

Applicant has not submitted copies of each cited U.S. patent and U.S. patent application as required by 37 CFR 1.98(a)(2)(i), amended October 2004, as the U.S. Patent and Trademark Office has waived this requirement for all U.S. patent applications. Applicant submits herewith copies of foreign and non-patents in accordance with 37 CFR 1.98(a)(2).


In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

Applicant believes no fee is due with this response. However, if a fee is due, the Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 06-2380, under Order No. 68144/P020US.B/10505125, from which the undersigned is authorized to draw.

Dated: August 19, 2005

Respectfully submitted,

By 

Jerry L. Mahurin

Registration No.: 34,661

FULBRIGHT & JAWORSKI L.L.P.

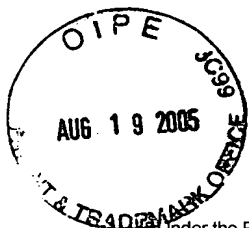
2200 Ross Avenue, Suite 2800

Dallas, Texas 75201-2784

(214) 855-8386

(214) 855-8200 (Fax)

Attorney for Applicant



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U. S. Patent and Trademark Office: U. S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/534,200
				Filing Date	November 7, 2002
				First Named Inventor	Palaniappan Meiyappan
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	68144/P020US.B/10505125

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	US-5,479,447	Dec. 26, 1995	Chow, et al.	
	AB	US-5,504,775	April 2, 1996	Chouly, et al.	
	AC	US-5,515,378	May 7, 1996	Roy, III, et al.	
	AD	US-5,734,967	March 31, 1998	Kotzin, et al.	
	AE	US-5,887,245	March 23, 1999	Lindroth, et al.	
	AF	US-6,366,195	April 2, 2000	Harel, et al.	
	AG	US-6,061,568	May 9, 2000	Dent	
	AH	US-6,226,320	May 1, 2001	Hakkinen, et al.	
	AI	US-6,477,158	Nov. 5, 2002	Take	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	BA	GB 2 209 858	May 24, 1989	NEC Corp.		
	BB	JP 06-029922	Feb. 4, 1994	Matsushita Electric		
	BC	WO 98/16077	April 16, 1998	Teratech Corp.		
	BD	WO 98/30047	July 9, 1998	Arraycom, Inc.		
	BE	EP 0 926 912	June 30, 1999	Centro Studi e Laboratori Tel		
	BF	EP 0 929 202	July 14, 1999	Lucent Technologies		
	BG	DE 198 00 953	July 29, 1999	Siemens AG		
	BH	FR 2 777 407	Oct. 15, 1999	Wavecom SA		
	BI	WO 02/49305	June 20, 2002	Broadstrom Tel., Inc.		
	BJ	EP 0 869 647	July 24, 2002	Lucent Technologies		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

¹ Applicant's unique citation designation number (optional). ² See attached Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CA	Farsakh, C., et al., "Maximizing the SDMA Mobile Radio Capacity Increase by DOA Sensitive Channel Allocation", Wireless Personal Communications, Kluwer Academic Publishers, NL, vol. 11, No. 1, Oct. 1999, pp. 63-76.	
		Wong, C.Y., et al., "Multiuser OFDM with Adaptive Subcarrier, Bit, and Power Allocation, IEEE Journal on Selected Areas in Communications, Oct. 1999, IEEE Inc., New York, USA, vol.17, Nr. 10, pp. 1747-1758.	
		Gruenheid, R., et al.: "Adaptive Modulation and Multiple Access for the OFDM Transmission Technique", Wireless Personal Communications, Kluwer Academic Publishers, NL, vol. 13, NR.1/2, Year 2000, pp. 5-13.	
		Motegi, M., et al.: "Optimum Band Allocation According to Subband Condition for BST-OFDM" 11 th IEEE International Symposium on Personal Indoor and Mobile Radio Communications, vol. 2, Sep. 18-21, 2000, pp. 1236-1240.	

25568026	Date Considered
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PTO/SB/08A (10-01)

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				Attorney Docket Number	68144/P020US.B/10505125
Sheet	2	of	1		

	International Search Report issued for PCT/US02/36030 dated June 26, 2003.	
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25568026 .1		Date Considered	
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